

Please type a plus sign (+) inside this box [+]

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 042390.P12472

(maximum 12 characters)

First Named Inventor Randy B. Osborne

Title: Method and Apparatus for Read Launch Optimizations in Memory Interconnect

Express Mail Label No. EL 672 749 925 US

ADDRESS TO: **Box Patent Application
Commissioner for Patents
Washington, D. C. 20231**

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. X **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original, and a duplicate for fee processing)
2. **Applicant Claims Small Entity Status. (37 CFR 1.27)**
3. X **Specification (Total Pages 43 - including 9 ADS)**
(preferred arrangement set forth below)
 - Descriptive Title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference sequence listing, a table,
or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. X **Drawings(s) (35 USC 113) (Total Sheets 19)**
5. X **Oath or Declaration (Total Pages 5)**
 - a. Newly Executed (Original or Copy)
 - b. Copy from a Prior Application (37 CFR 1.63(d))
(for Continuation/Divisional with Box 18 completed)
 - i. **DELETIONS OF INVENTOR(S)** Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
 - c. X Unsigned.
6. X **Application Data Sheet. (37 CFR 1.76)**
7. **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**
8. **Nucleotide and/or Amino Acid Sequence Submission**
(if applicable, all necessary)
 - a. **Computer Readable Form (CRF)**
 - b. **Specification Sequence Listing on:**
 - i. **CD-ROM or CD-R (2 copies); or**
 - ii. **paper**
 - c. **Statement verifying identity of above copies**

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & documents(s))
10. ☐ a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- ☐ b. Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ a. Information Disclosure Statement (IDS)/PTO-1449
- ☐ b. Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Express Mail Certificate of Mailing with copy postcard.

18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
 Of Prior Application No.: ☐ Examiner ☐ Group Art Unit ☐
 (which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. ☐
 which is a ☐ continuation/ ☐ divisional/ ☐ CIP of prior application no. ☐ (List entire chain of priority)

Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.
 For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18B. Statement under 37 CFR 3.73(b) for continuing application:

The undersigned states that (name of assignee) is the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment recorded in the Patent and Trademark Office at Reel. No. Frame No. (or a copy of which is attached).

19. Correspondence Address

☒ Customer Number or Bar Code Label 008791
 or (Insert Customer No. or Attach Bar Code Label here)

☒ Correspondence Address Below

NAME Alan E. Heimlich

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1030

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-8383

Name (PRINT/TYPE): Alan E. Heimlich Registration No.: 48,808

Signature: *Alan E. Heimlich* Date: 11/12/01

FEE TRANSMITTAL FOR FY 2002**TOTAL AMOUNT OF PAYMENT (\$)** \$1,718.00**Complete if Known:**

Application No. Not yet assigned
 Filing Date Herewith (11-12-01)
 First Named Inventor Randy B. Osborne
 Group Art Unit Not yet assigned
 Examiner Name Not yet assigned
 Attorney Docket No. 042390.P12472

METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number _____
 Deposit Account Name _____

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

- ☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed: ☒ Check
☐ Money Order
☐ Other

FEE CALCULATION**1. BASIC FILING FEE**

| <u>Large Entity</u> | | <u>Small Entity</u> | | <u>Fee Description</u> | <u>Fee Paid</u> |
|---------------------|-----------------|---------------------|-----------------|------------------------------------|-----------------|
| <u>Code</u> | <u>Fee (\$)</u> | <u>Code</u> | <u>Fee (\$)</u> | | |
| 101 | 740 | 201 | 370 | Utility application filing fee | <u>740.00</u> |
| 106 | 330 | 206 | 165 | Design application filing fee | _____ |
| 107 | 510 | 207 | 255 | Plant filing fee | _____ |
| 108 | 740 | 208 | 370 | Reissue filing fee | _____ |
| 114 | 160 | 214 | 80 | Provisional application filing fee | _____ |

SUBTOTAL (1) \$ 740.00**2. EXTRA CLAIM FEES**

| | | <u>Extra Claims</u> | <u>Fee from below</u> | <u>Fee Paid</u> |
|--------------------|-----------|---------------------|-----------------------|-----------------|
| Total Claims | <u>37</u> | - 20** = <u>17</u> | X <u>18.00</u> | = <u>306.00</u> |
| Independent Claims | <u>11</u> | - 3** = <u>8</u> | X <u>84.00</u> | = <u>672.00</u> |
| Multiple Dependent | | | | = _____ |

****Or number previously paid, if greater; For Reissues, see below.**

| <u>Large Entity</u> | | <u>Small Entity</u> | | <u>Fee Description</u> |
|---------------------|-----------------|---------------------|-----------------|---|
| <u>Code</u> | <u>Fee (\$)</u> | <u>Code</u> | <u>Fee (\$)</u> | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid |
| 109 | 84 | 209 | 42 | **Reissue independent claims over original patent |
| 110 | 18 | 210 | 9 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) \$ 978.00

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| <u>Large Entity</u> | | <u>Small Entity</u> | | <u>Fee Description</u> | <u>Fee Paid</u> |
|---------------------|-----------------|---------------------|-----------------|--|-----------------|
| <u>Code</u> | <u>Fee (\$)</u> | <u>Code</u> | <u>Fee (\$)</u> | | |
| 105 | 130 | 205 | 65 | Surcharge - late filing fee or oath | _____ |
| 127 | 50 | 227 | 25 | Surcharge - late provisional filing fee or cover sheet | _____ |
| 139 | 130 | 139 | 130 | Non-English specification | _____ |
| 147 | 2,520 | 147 | 2,520 | For filing a request for ex parte reexamination | _____ |
| 099 | 8,800 | 099 | 8,800 | Request for inter parties reexamination | _____ |
| 112 | 920* | 112 | 920* | Requesting publication of SIR prior to Examiner action | _____ |
| 113 | 1,840* | 113 | 1,840* | Requesting publication of SIR after Examiner action | _____ |
| 115 | 110 | 215 | 55 | Extension for reply within first month | _____ |
| 116 | 400 | 216 | 200 | Extension for reply within second month | _____ |
| 117 | 920 | 217 | 460 | Extension for reply within third month | _____ |
| 118 | 1,440 | 218 | 720 | Extension for reply within fourth month | _____ |
| 128 | 1,960 | 228 | 980 | Extension for reply within fifth month | _____ |
| 119 | 320 | 219 | 160 | Notice of Appeal | _____ |
| 120 | 320 | 220 | 160 | Filing a brief in support of an appeal | _____ |
| 121 | 280 | 221 | 140 | Request for oral hearing | _____ |
| 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding | _____ |
| 140 | 110 | 240 | 55 | Petition to revive - unavoidable | _____ |
| 141 | 1,280 | 241 | 640 | Petition to revive - unintentional | _____ |
| 142 | 1,280 | 242 | 640 | Utility issue fee (or reissue) | _____ |
| 143 | 460 | 243 | 230 | Design issue fee | _____ |
| 144 | 620 | 244 | 310 | Plant issue fee | _____ |
| 122 | 130 | 122 | 130 | Petitions to the Commissioner | _____ |
| 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) | _____ |
| 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt | _____ |
| 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) | _____ |
| 146 | 740 | 246 | 370 | For filing a submission after final rejection (see 37 CFR 1.129(a)) | _____ |
| 148 | 110 | 248 | 55 | Statutory Disclaimer | _____ |
| 149 | 740 | 249 | 370 | For each additional invention to be examined (see 37 CFR 1.129(b)) | _____ |
| 179 | 740 | 279 | 370 | Request for Continued Examination (RCE) | _____ |
| 169 | 900 | 169 | 900 | Request for expedited examination of a design application | _____ |
| 195 | 300 | 195 | 300 | Publication fee for early, voluntary, or normal pub. | _____ |
| 196 | 300 | 196 | 300 | Publication fee for republication | _____ |
| 194 | 130 | 194 | 130 | Request for voluntary publication or republication | _____ |
| 098 | 130 | 098 | 130 | Processing fee under 37 CFR 1.17(i) (except provisionals) | _____ |
| 091 | 1,280 | 091 | 1,280 | Acceptance of unintentionally delayed claim for priority | _____ |

Other fee (specify) _____

Other fee (specify) _____

SUBTOTAL (3) \$ _____ .00

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: Alan E. Heimlich

Signature: Alan E. Heimlich Date: 11/12/01

Reg. Number: 48,808 Telephone Number: (408) 720-8300

Serial/Patent No.: Not yet assigned Filing/Issue Date: Herewith (11/12/2001)
Client: Intel Corporation
Title: Method and Apparatus for Read Launch Optimizations in Memory Interconnect

BSTZ File No.: 042390.P12472 Atty/Secty Initials: JPW/AEH/den
Date Mailed: November 12, 2001 Docket Due Date: ***

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- | | | |
|--|--|--|
| <input type="checkbox"/> Amendment/Response (____ pgs.) | <input checked="" type="checkbox"/> Express Mail No. <u>EL672749925US</u> | <input checked="" type="checkbox"/> Check No. <u>46423</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate) | <input type="checkbox"/> _____ Month(s) Extension of Time | Amt: <u>\$1718.00</u> |
| <input checked="" type="checkbox"/> Application - Utility (<u>43</u> pgs., with cover and abstract) | <input type="checkbox"/> Information Disclosure Statement & PTO 148 (____ pgs.) | <input type="checkbox"/> Check No. _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.) | <input type="checkbox"/> Issue Fee Transmittal | Amt: _____ |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.) | <input type="checkbox"/> Notice of Appeal | |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.) | <input type="checkbox"/> Petition for Extension of Time | |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.) | <input type="checkbox"/> Petition for _____ | |
| <input type="checkbox"/> Application - Design (____ pgs.) | <input checked="" type="checkbox"/> Postcard | |
| <input type="checkbox"/> Application - PCT (____ pgs.) | <input type="checkbox"/> Power of Attorney (____ pgs.) | |
| <input type="checkbox"/> Application - Provisional (____ pgs.) | <input type="checkbox"/> Preliminary Amendment (____ pgs.) | |
| <input type="checkbox"/> Assignment and Cover Sheet | <input type="checkbox"/> Reply Brief (____ pgs.) | |
| <input checked="" type="checkbox"/> Certificate of Mailing <u>Express w/PC</u> | <input type="checkbox"/> Response to Notice of Missing Parts | |
| <input checked="" type="checkbox"/> Declaration & POA (<u>5</u> pgs.) <u>unsigned</u> | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business | |
| <input type="checkbox"/> Disclosure Docs & Orig & Copy of Inventor's Signed Letter (____ pgs.) | <input checked="" type="checkbox"/> Transmittal Letter, in duplicate | |
| <input checked="" type="checkbox"/> Drawings: <u>19</u> # of sheets includes <u>22</u> figures | <input checked="" type="checkbox"/> Fee Transmittal, in duplicate | |

☐ Other: _____

EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL 672 749 925 US

Date of Deposit: November 12, 2001

I hereby certify that I am causing this paper or fee, and the documents indicated on the postcard above, to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to: Box Patent Application, Commissioner for Patents, Washington, D. C. 20231

Dianne Neathery

(Typed or printed name of person mailing paper or fee)

Dianne Neathery 11-12-01
(Signature of person mailing paper or fee, and date of signature)